

STRUCTURAL CRITERIA

TECHNICAL INSTRUCTIONS

TI 800-01	Design Criteria	Jul 98
TI 800-03	Technical Requirements for Design-Build	Jul 98
TI 800-04	Installation Support	Aug 98
TI 801-01	Barracks Upgrade Program	Aug 98
TI 801-02	Army Family Housing	Aug 98
TI 802-01	Code 3 Design with Parametric Estimating	May 98
TI 809-01	Load Assumptions for Buildings	Aug 98
TI 809-02	Structural Design Criteria for Buildings	Sep 99
TI 809-04	Seismic Design for Buildings	Dec 98
TI 809-05	Seismic Evaluation and Rehabilitation of Buildings	Nov 99
TI 809-07	Design of Cold-Formed Load Bearing Steel Systems and Masonry Veneer/Steel Stud Walls	Nov 98
TI 809-26	Welding - Design Procedures and Inspections	Nov 98
TI 809-28	Design and Construction of Conventionally Reinforced Ribbed Mat Slabs (RRMS)	Sep 99
TI 809-29	Structural Considerations for Metal Roofing	Aug 98
TI 809-30	Metal Building Systems	Aug 98
TI 809-51	Seismic Review Procedures for Existing Military Buildings	Sep 99
TI 809-52	Commentary on Snow Loads	Aug 98
TI 809-53	Commentary on Roofing Systems	May 99

ENGINEERING INSTRUCTIONS

EI 01S103	Seismic Screening and Evaluation Procedures for Existing Military Buildings	Oct 97
EI 01S105	Seismic Isolation and Energy Dissipation Systems	Jul 97

TECHNICAL MANUALS

TM 5-809-2	Structural Design Criteria for Buildings	May 92
TM 5-809-3	Masonry Structural Design for Buildings	Oct 92
TM 5-809-6	Structural Design Criteria for Structures Other than Buildings	Dec 91
TM 5-809-12	Concrete Floor Slabs on Grade Subjected to Heavy Loads	Aug 87
TM 5-852-9	Arctic and Subarctic Construction: Buildings	Mar 88
TM 5-853	Security Engineering	May 94
TM 5-855-1	Design and Analysis of Hardened Structures to Conventional Weapons Effects	Aug 98
TM 5-1300	Structures to Resist the Effects of Accidental Explosions	Dec 90

ENGINEERING MANUALS

EM 1110-2-2002	Evaluation and Repair of Concrete Structures	Jun 95
EM 1110-2-2005	Standard Practice for Shotcrete	Jan 93
EM 1110-2-2007	Structural Design of Concrete Lined Flood Control Channels	Apr 95
EM 1110-2-2104	Strength Design for Reinforced Concrete Hydraulic Structures	Jun 92
EM 1110-2-2906	Design of Pile Foundations	Jan 91

ENGINEERING TECHNICAL LETTERS

ETL 1110-2-256	Sliding Stability for Concrete Structures	Jun 81
ETL 1110-2-307	Flotation Stability Criteria for Concrete Hydraulic Structures	Aug 87
ETL 1110-2-343	Structural Design Using the Roller-Compacted Concrete (RCC) Construction Process	May 93
ETL 1110-2-352	Stability of Gravity Walls, Vertical Shear	Mar 94
ETL 1110-2-366	Seismic Design for Civil Works Buildings	Aug 94
ETL 1110-2-551	Identification, Inspection, and Evaluation of Fracture Critical Members of In-Service Bridges	Aug 98
ETL 1110-3-439	Masonry Veneer/Steel Stud Walls (Nonbearing Construction)	Jul 92
ETL 1110-3-471	Design and Construction of Conventionally Reinforced Ribbed Mat Slabs (RRMS)	Sep 95
ETL 1110-3-476	Engineering and Design, Steel Special Moment Resisting Frames (SMRF)	Nov 95

MISCELLANEOUS

I3A	Installation Information Infrastructure Architecture (I3A) Design and Implementation Guide	Mar 99
	Design Criteria for Construction in the U.S. Army Kwajalein Atoll/Kwajalein Missile Range (USAKA/KMR)	Oct 97
	CEPOH Editing Instructions for Corps of Engineers Guide Specifications	
	Draft Department of Defense Antiterrorism/Force Protection Minimum Construction Standards (FOUO)	

NATIONAL CODES AND REGULATIONS
(LATEST EDITIONS)

ASCE 7 Standard

Uniform Building Code

AASHTO Standard Specifications for Highway Bridges

ACI 318 Building Code Requirements for Reinforced Concrete

PCI Design Handbook - Precast and Prestressed Concrete

AISC Manual of Steel Construction

AWS D1.1, Structural Welding Code - Steel

AISI Specification for the Design of Cold-Formed Steel Structural Members

SDI Design Manual for Composite Decks, Forms, and Roof Decks

SDI Diaphragm Design Manual

MBMA Low Rise Building Systems Manual

SJI Standard Specification Load Tables and Weight Tables for Steel Joists and Joist Girders

ACI 530 Building Code Requirements for Masonry Structures

AA-94, Part 1-A Specifications for Aluminum Structures - Allowable Stress Design

AA-94, Part 1-B Specifications for Aluminum Structures - Load and Resistance Factor Design of Buildings and Similar Type Structures

AITC Timber Construction Manual